BRUHAT BANGALORE MAHANAGARA PALIKE

OFFICE OF THE EXECUTIVE ENGINEER, YELAHANKA PROJECT DIVISION

NAME OF WORK : CONSTRUCTION OF HEAD ROOM, OVERHEAD TANK PROVIDING SANITARY

DRAFT TENDER SCHEDULE

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour .complete as per specifications and directions of the Engineer in charge.	Sqm	27.66	411.48	Rupees Four Hundred Eleven and Forty Eight Paise Only
2	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	12.48	276.48	Rupees Two Hundred Seventy Six and Forty Eight Paise Only
3	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour ccomplete as per specifications and directions of the Engineer in charge.	Sqm	18.15	342.90	Rupees Three Hundred Forty Two and Ninety Paise Only
4	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing,complete as per specifications and directions of the Engineer in charge.(third Floor)	Cum	5.62	7038.36	Rupees Seven Thousand Thirty Eight and Thirty Six Paise Only
5	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500 complete as per specifications and directions of the Engineer in charge. (third Floor)	tonne	0.73	66984.84	Rupees Sixty Six Thousand Nine Hundred Eighty Four and Eighty Four Paise Only
6	KSRB 5-14 : Providing and constructing precast concrete solid blocks having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge.. with solid blocks size of 400X200X200mm.	Sqm	79.35	1109.16	Rupees One Thousand One Hundred Nine and Sixteen Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
7	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	3.88	773.28	Rupees Seven Hundred Seventy Three and Twenty Eight Paise Only
8	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(Ground Floor)	Sqm	15.07	238.68	Rupees Two Hundred Thirty Eight and Sixty Eight Paise Only
9	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	15.07	244.08	Rupees Two Hundred Forty Four and Eight Paise Only
10	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(Third Floor)	Sqm	83.37	254.88	Rupees Two Hundred Fifty Four and Eighty Eight Paise Only
11	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc. complete as per specifications and directions of the Engineer in charge.(Ground Floor)	Sqm	66.59	180.36	Rupees One Hundred Eighty and Thirty Six Paise Only
12	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc.complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	14.40	185.76	Rupees One Hundred Eighty Five and Seventy Six Paise Only
13	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc.complete as per specifications and directions of the Engineer in charge.(Second Floor)	Sqm	39.33	191.16	Rupees One Hundred Ninety One and Sixteen Paise Only
14	Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing etc. complete as per specifications and directions of the Engineer in charge.(Third Floor)	Sqm	83.37	196.56	Rupees One Hundred Ninety Six and Fifty Six Paise Only
15	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc. complete as per specifications and directions of the Engineer in charge.	Sqm	20.90	208.44	Rupees Two Hundred Eight and Forty Four Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
16	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Ground Floor)	Sqm	240.13	169.56	Rupees One Hundred Sixty Nine and Fifty Six Paise Only
17	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (First Floor)	Sqm	34.65	174.96	Rupees One Hundred Seventy Four and Ninety Six Paise Only
18	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	86.625	180.36	Rupees One Hundred Eighty and Thirty Six Paise Only
19	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	2.07	185.76	Rupees One Hundred Eighty Five and Seventy Six Paise Only
20	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and directions of the Engineer in charge. (Ground Floor)	Sqm	127.89	1602.72	Rupees One Thousand Six Hundred Two and Seventy Two Paise Only
21	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	35.28	1604.34	Rupees One Thousand Six Hundred Four and Thirty Four Paise Only
22	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	93.66	1605.96	Rupees One Thousand Six Hundred Five and Ninety Six Paise Only
23	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and directions of the Engineer in charge.(ThirdFloor)	Sqm	2.07	1607.58	Rupees One Thousand Six Hundred Seven and Fifty Eight Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
24	Providing and fixing 20mm thick gang saw water cut LAKARED granite for Cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specifications and directions of the Engineer in charge.(Ground Floor)	Sqm	99.855	3990.6	Rupees Three Thousand Nine Hundred Ninety and Sixty Paise Only
25	Providing and fixing 20mm thick gang saw water cut LAKARED granite for Cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specifications and directions of the Engineer in charge. (First Floor)	Sqm	2.52	3992.22	Rupees Three Thousand Nine Hundred Ninety Two and Twenty Two Paise Only
26	Providing and fixing 20mm thick gang saw water cut LAKARED granite for Cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	3.99	3993.84	Rupees Three Thousand Nine Hundred Ninety Three and Eighty Four Paise Only
27	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete as per specifications and directions of the Engineer in charge.	Sqm	51.49	4305.96	Rupees Four Thousand Three Hundred Five and Ninety Six Paise Only
28	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc complete as per specifications and directions of the Engineer in charge. (Ground Floor)	Sqm	106.663	4019.76	Rupees Four Thousand Nineteen and Seventy Six Paise Only
29	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etccomplete as per specifications and directions of the Engineer in charge.(Third Floor)	Sqm	21.44	4024.62	Rupees Four Thousand Twenty Four and Sixty Two Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
30	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specifications and directions of the Engineer in charge.	Sqm	19.32	1154.52	Rupees One Thousand One Hundred Fifty Four and Fifty Two Paise Only
31	KSRB 14.14-5: Providing Ceramic tiles of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Specification No. KBS _do_ for Ceramic Tiles of size 30x30cms 6mm thick .complete as per specifications and directions of the Engineer in charge. (Ground Floor)	Sqm	11.44	1270.08	Rupees One Thousand Two Hundred Seventy and Eight Paise Only
32	KSRB 14.14-5: Providing Ceramic tiles of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Specification No. KBS _do_ for Ceramic Tiles of size 30x30cms 6mm thick .complete as per specifications and directions of the Engineer in charge. (First Floor)	Sqm	7.20	1271.70	Rupees One Thousand Two Hundred Seventy One and Seventy Paise Only
33	KSRB 14.14-5: Providing Ceramic tiles of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Specification No. KBS _do_ for Ceramic Tiles of size 30x30cms 6mm thick .complete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	16.68	1273.32	Rupees One Thousand Two Hundred Seventy Three and Thirty Two Paise Only
34	KSRB 10-2 : Providing and laying in position yelahanka tiles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	20.90	871.56	Rupees Eight Hundred Seventy One and Fifty Six Paise Only
35	KSRB 10-2 : Providing and laying in position yelahanka tiles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	359.45	873.18	Rupees Eight Hundred Seventy Three and Eighteen Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
36	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved qualitycomplete as per specifications and directions of the Engineer in charge.	Sqm	1.44	4520.88	Rupees Four Thousand Five Hundred Twenty and Eighty Eight Paise Only
37	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved qualitycomplete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	0.36	4520.88	Rupees Four Thousand Five Hundred Twenty and Eighty Eight Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
38	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved qualitycomplete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	19.50	4526.28	Rupees Four Thousand Five Hundred Twenty Six and Twenty Eight Paise Only
39	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved qualitycomplete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	0.72	4531.68	Rupees Four Thousand Five Hundred Thirty One and Sixty Eight Paise Only
40	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications.complete as per specifications (excluding cost of fixtures) and directions of the Engineer in charge. (Ground Floor)	Sqm	9.45	5014.44	Rupees Five Thousand Fourteen and Forty Four Paise Only
41	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications (excluding cost of fixtures) and directions of the Engineer in charge. (First Floor)	Sqm	5.67	5017.68	Rupees Five Thousand Seventeen and Sixty Eight Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
42	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge.	Sqm	13.23	5020.92	Rupees Five Thousand Twenty and Ninety Two Paise Only
43	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot complete as per specifications and directions of the Engineer in charge(Ground Floor)	Sqm	12.60	4320.00	Rupees Four Thousand Three Hundred Twenty Only
44	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. complete as per specifications and directions of the Engineer in charge (First Floor)	Sqm	3.15	4323.24	Rupees Four Thousand Three Hundred Twenty Three and Twenty Four Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
45	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. complete as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	11.03	4326.48	Rupees Four Thousand Three Hundred Twenty Six and Forty Eight Paise Only
46	KSRB 9.7-1: Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM ofmachineries complete as per specifications. (excluding cost of fixtures) s and directions of the Engineer in charge (First Floor)	Sqm	3.23	7916.40	Rupees Seven Thousand Nine Hundred Sixteen and Forty Paise Only
47	KSRB 9.7-1: Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM ofmachineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge (Second Floor)	Sqm	7.08	7919.64	Rupees Seven Thousand Nine Hundred Nineteen and Sixty Four Paise Only
48	Providing melamine polishing of approved shade includingremoving and refixing of doors shutters, glass, beading andexisting polishing scraping with blade and rubbing with zero size sand paper and applying sealer coat by way of spraying with necessary compressor and applying patty after rubbing with steel wool including two coats of approved shade of melamine polish etc complete as per specifications and directions of the Engineer in charge	Sqm	25.11	979.56	Rupees Nine Hundred Seventy Nine and Fifty Six Paise Only
49	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of the Engineer in charge	Sqm	23.18	90.72	Rupees Ninety and Seventy Two Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
50	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., c complete as per specifications and directions of the Engineer in charge	Sqm	38.80	6638.76	Rupees Six Thousand Six Hundred Thirty Eight and Seventy Six Paise Only
51	KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size 2.4x2.4m. complete as per specifications and directions of the Engineer in charge	Sqm	14.37	2518.56	Rupees Two Thousand Five Hundred Eighteen and Fifty Six Paise Only
52	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. complete as per specifications and directions of the Engineer in charge	Sqm	24.75	831.60	Rupees Eight Hundred Thirty One and Sixty Paise Only
53	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specifications and directions of the Engineer in charge	kgs	902.48	118.80	Rupees One Hundred Eighteen and Eighty Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
54	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as complete as per specifications and directions of the Engineer in charge	Sqm	2499.07	60.48	Rupees Sixty and Forty Eight Paise Only
55	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. complete as per specifications and directions of the Engineer in charge	Sqm	861.29	97.20	Rupees Ninety Seven and Twenty Paise Only
56	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall suface with wire brush of medium size emery stone to remove all the loosely adhering particales Pg No complete as per specifications and directions of the Engineer in charge	Sqm	885.59	375.84	Rupees Three Hundred Seventy Five and Eighty Four Paise Only
57	KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof complete as per specifications and directions of the Engineer in charge	Sqm	752.19	82.08	Rupees Eighty Two and Eight Paise Only
58	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of the Engineer in charge	kgs	30.24	100.44	Rupees One Hundred and Forty Four Paise Only
59	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, co complete as per specifications and directions of the Engineer in charge	Sqm	235.88	88.56	Rupees Eighty Eight and Fifty Six Paise Only
60	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge	Cum	123.00	5985.36	Rupees Five Thousand Nine Hundred Eighty Five and Thirty Six Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
61	Pg No.147 Item No.19.60 KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) complete as per specifications and directions of the Engineer in charge	Cum	1368.09	326.16	Rupees Three Hundred Twenty Six and Sixteen Paise Only
62	KSRB 2-2.5 : Excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width in Hard Rock not exceeding 1.5 m. in depth including Stacking the excavated stuff from edges of excavation with lead upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications and directions of the Engineer in charge	Cum	37.69	554.04	Rupees Five Hundred Fifty Four and Four Paise Only
63	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge	cum	1.97	5256.36	Rupees Five Thousand Two Hundred Fifty Six and Thirty Six Paise Only
64	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labou complete as per specifications and directions of the Engineer in charge	Cum	24.48	137.16	Rupees One Hundred Thirty Seven and Sixteen Paise Only
65	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and directions of the Engineer in charge	Sqm	43.52	249.48	Rupees Two Hundred Forty Nine and Forty Eight Paise Only
66	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 7 mtrs. complete as per specifications and directions of the Engineer in charge	Sqm	11.07	961.20	Rupees Nine Hundred Sixty One and Twenty Paise Only
67	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters,columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge	Cum	12.09	6718.68	Rupees Six Thousand Seven Hundred Eighteen and Sixty Eight Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
68	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge	tonne	1.57	65455.56	Rupees Sixty Five Thousand Four Hundred Fifty Five and Fifty Six Paise Only
69	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications and directions of the Engineer in charge	No.s	8.00	282.96	Rupees Two Hundred Eighty Two and Ninety Six Paise Only
70	Pg No 134,Item No17.4 Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.	Cum	7.69	218.16	Rupees Two Hundred Eighteen and Sixteen Paise Only
71	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and directions of the Engineer in charge	Sqm	43.90	637.20	Rupees Six Hundred Thirty Seven and Twenty Paise Only
72	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and directions of the	Sqm	35.04	316.44	Rupees Three Hundred Sixteen and Forty Four Paise Only
73	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications and directions of the Engineer in charge	Sqm	8.64	338.04	Rupees Three Hundred Thirty Eight and Four Paise Only
74	KSRB 11-18-1.1 : Providing and fixing sand cast iron soil waste and vent pipes 100mm dia with spun yarn soaked in cement slurry and cement mortar 1:2 including cost of materials, labour, testing complete as per specifications and directions of the Engineer in charge	m	1.50	760.32	Rupees Seven Hundred Sixty and Thirty Two Paise Only
75	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. complete as per specifications and directions of the Engineer in charge	L	4000.00	6.48	Rupees Six and Forty Eight Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
76	KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge	Each	23.00	262.44	Rupees Two Hundred Sixty Two and Forty Four Paise Only
77	KSRB 11-6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed / vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and directions of the Engineer in charge	Each	17.00	5351.40	Rupees Five Thousand Three Hundred Fifty One and Forty Paise Only
78	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and directions of the Engineer in charge	unit	17.00	4196.88	Rupees Four Thousand One Hundred Ninety Six and Eighty Eight Paise Only
79	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and directions of the Engineer in charge	unit	5.00	7354.80	Rupees Seven Thousand Three Hundred Fifty Four and Eighty Paise Only
80	KSRB 11-17-1 : Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications and directions of the Engineer in charge	unit	17.00	845.64	Rupees Eight Hundred Forty Five and Sixty Four Paise Only
81	KSRB 11-15.5 : Providing and fixing 1500x450mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge	unit	17.00	845.64	Rupees Eight Hundred Forty Five and Sixty Four Paise Only
82	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 12.5cms x 7.5cms complete as per specifications and directions of the Engineer in charge	Each	39.00	307.80	Rupees Three Hundred Seven and Eighty Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
83	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. complete as per specifications and directions of the Engineer in charge	No.s	15	9670.20	Rupees Nine Thousand Six Hundred Seventy and Twenty Paise Only
84	KSRB13-6.2-4 : Providing and fixing in position brass stop cock of approved quality 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge	Each	12.00	170.64	Rupees One Hundred Seventy and Sixty Four Paise Only
85	KSRB13-6.3-4 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge	Each	12.00	1050.84	Rupees One Thousand Fifty and Eighty Four Paise Only
86	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and directions of the Engineer in charge	Cum	67.20	204.12	Rupees Two Hundred Four and Twelve Paise Only
87	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications and directions of the Engineer in charge	Rmt	35.00	381.24	Rupees Three Hundred Eighty One and Twenty Four Paise Only
88	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labou complete as per specifications and directions of the Engineer in charge	Cum	67.20	82.08	Rupees Eighty Two and Eight Paise Only
89	Providing stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead). - 15cms x 10cms complete as per specifications and directions of the Engineer in charge	Each	15.00	291.60	Rupees Two Hundred Ninety One and Sixty Paise Only
90	KSRB13-1.6 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 5.24kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications and directions of the Engineer in charge	Rmt	40.00	550.80	Rupees Five Hundred Fifty and Eighty Paise Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
91	KSRB13-7.1-4 : Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge	No's	4.00	1615.80	Rupees One Thousand Six Hundred Fifteen and Eighty Paise Only
92	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 50mm nominal OD pipes. complete as per specifications and directions of the Engineer in charge	m	110.00	475.20	Rupees Four Hundred Seventy Five and Twenty Paise Only
93	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes. complete as per specifications and directions of the Engineer in charge	m	110.00	183.60	Rupees One Hundred Eighty Three and Sixty Paise Only
94	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 110mm outer dia complete as per specifications and directions of the Engineer in charge	m	170.00	743.04	Rupees Seven Hundred Forty Three and Four Paise Only
95	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 160mm outer dia complete as per specifications and directions of the Engineer in charge	m	160.00	1566.00	Rupees One Thousand Five Hundred Sixty Six Only
96	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick complete as per specifications and directions of the Engineer in charge	Mtrs	200.00	43.00	Rupees Forty Three Only
97	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick complete as per specifications and directions of the Engineer in charge	Mtrs	650.00	57.00	Rupees Fifty Seven Only

Sl. No.	Description of Work	Unit	Quantity	Rate in Figures	Rate in Words
98	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.19/20mm dia 2mm thick complete as per specifications and directions of the Engineer in charge	Mtrs	85.00	56.00	Rupees Fifty Six Only
99	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary 25mm dia 2mm thick complete as per specifications and directions of the Engineer in charge	Mtr	90	58.00	Rupees Fifty Eight Only
100	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary 25mm deep junction box complete as per specifications and directions of the Engineer in charge	Each	100.00	91.00	Rupees Ninety One Only
101	Supplying And Fixing Metal Fan Box with Round Hook. complete as per specifications and directions of the Engineer in charge	Nos	45.00	92.00	Rupees Ninety Two Only
102	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way complete as per specifications and directions of the Engineer in charge	Nos	14.00	91.00	Rupees Ninety One Only
103	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5Way complete as per specifications and directions of the Engineer in charge	Nos	10.00	98.00	Rupees Ninety Eight Only
104	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way complete as per specifications and directions of the Engineer in charge	Nos	20.00	140.00	Rupees One Hundred Forty Only
105	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way complete as per specifications and directions of the Engineer in charge	Nos	19.00	159.00	Rupees One Hundred Fifty Nine Only
106	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 16Way complete as per specifications and directions of the Engineer in charge	Nos	7.00	172.00	Rupees One Hundred Seventy Two Only
107	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.1 to 3 Module complete as per specifications and directions of the Engineer in charge	Nos	14.00	109.00	Rupees One Hundred Nine Only